

```

<!--StartFragment-->RESULT 2
US-09-818-780-96
; Sequence 96, Application US/09818780
; Patent No. 6677146
; GENERAL INFORMATION:
; APPLICANT: McHenry, Charles
; TITLE OF INVENTION: NOVEL THERMOPHILIC POLYMERASE III HOLOENZYME
; FILE REFERENCE: 1794.0030004
; CURRENT APPLICATION NUMBER: US/09/818,780
; CURRENT FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/192,736
; PRIOR FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Bacillus subtilis
US-09-818-780-96

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Query Match          42.3%; Score 736.5; DB 2; Length 347;
Best Local Similarity 44.2%; Pred. No. 2e-64;
Matches 148; Conservative 73; Mismatches 113; Indels 1; Gaps 1;

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Qy      1 MLERVWGNIEKRRFSPLYLLYGNEPFLLTETYERLVNAALGPEEREWNLAVIDCEETPIE 60
        |: || ::| | :| || | :| || |: : | ::||:|:| || |:
Db      1 MVFDVWVSLKKGEVHPVYCLYGKETYLLQETVSRIRQTVVDQETKDFNLSVFDLEEDPLD 60

Qy      61 AALEEAETVPFFGERRVILIKHPYFFTSEKEKE-IEHDLAKLEAYLKAPSPFSIVVFFAP 119
        |: :||| || ||||:::|:| || | ||: || ||::: ||:|:::|:|::: | ||
Db      61 QAIADAETFPFMGERRLVIVKNPYFLTGEKKKEKIEHNVSALESYIQSPAPYTVFVLLAP 120

Qy      120 YEKLDERKKITKLAKEQSEVVIAAPLAEAEELRAWVRRRIESQGAQASDEAIDVLLRRAGT 179
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Db      121 YEKLDERKKLTALKKKHAFMMEAKELNAKETTDFTVNLAKTEQKTIGTEAAEHLVLLVNG 180

Qy      180 QLSALANEIDKLALFAGSGGTIEAAVERLVARTPEENVFVLVEQVAKRDIPAALQTFYD 239
        ||:: || || | | | : ||||: |:|:| |: :: | :|| |||
Db      181 HLSSIFQEIQLCTFIGDREEITLDDVKMLVARSLQNIFELINKIVNRKRTESLQIFYD 240

Qy      240 LLENNEEPIKILALLAAHFRLLSQVKWLASLGYGQAQIAAALKVHPFRVKLALAAQARFA 299
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Db      241 LLKQNEEPIKIMALISNQFRLILQTKYFAEQGYGQKQIASNLKVHPFRVKLAMDQARLFS 300

Qy      300 DGELAEAINELADADYEVKSGAVDRRLAVELLLMR 334
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Db      301 EEELRLIIEQLAVMDYEMKTGKKDKQLLLELFLQ 335

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